

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A variable inner volume ratio-mode inverter screw compressor comprising:
 - a variable inner volume ratio valve ~~(19)~~ changing completion time of a compression step in a screw compression section ~~(39)~~ to make inner volume ratio variable;
 - an electric motor ~~(11)~~ rotationally driving the screw compression section ~~(39)~~; and
 - an inverter ~~(15)~~ controlling rotational frequency of the electric motor ~~(11)~~ corresponding to a load.

2. (Currently Amended) The variable inner volume ratio-mode inverter screw compressor as set forth in claim 1, comprising:
 - a control section ~~(36, 51, 27, 28)~~ controlling an opening degree of the variable inner volume ratio valve ~~(19)~~ based on suction side pressure and discharge side pressure of the screw compression section ~~(39)~~ and rotational frequency of the electric motor ~~(11)~~.